

Master PCBA				
Category	Part Number	Ref	Name	Descriptions
IC	LM339	U1	Comparator	Trigger Inputs, Voltage Inverter
IC	XC6201	U2	Regulator	Voltage regulation
IC	XC6204	U3	Regulator	Voltage regulation
IC	S1C8F360	U4	MCU	Display, Output control
IC	NCP1403	U5	Switcher	Voltage step-up
IC	XC61C	U6~7	Voltage Detector	Voltage Detection
Crystal	4.9152MHz	Y1	30ppm	Main Clock for U4
Crystal	32768Hz	Y2	30ppm	RTC for U4
Connector	2 pin	J1	0.1" pitch	To buzzer
Connector	3.5mm phone jack	J3		To ext. Horn
Connector	3.5mm phone jack	J4~5		To ext. input switches
Connector	3.5mm phone jack	J5		To earplug
Connector	20pin	J17	0.1" pitch	To LCD Module
Connector	4pin	J18	0.1" pitch	To RF PCBA

RF PCBA				
Category	Part Number	Ref	Name	Descriptions
Transistor	2SC3356	Q1	Transistor	Frequency multiplier
Transistor	2SC3356	Q1	Transistor	Amplifier
Varicap diode	1SV214	D1	Diode	Freq. modulation
Capacitor	3~10pF	C2	trimmer	Fundamental freq. tuning
Capacitor	3~10pF	C7	trimmer	5th Harmonic tuning
Capacitor	3~10pF	C13	trimmer	Filter
Capacitor	3~10pF	C11	trimmer	Output filter